



TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/801,424
Filing Date	March 16, 2004
First Named Inventor	Hu, Ruizhong, et al.
Art Unit	1764
Examiner Name	
Attorney Docket Number	W9570-01

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form (2x *) <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declarations) <input type="checkbox"/> Extension of Time Request (2x *) <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CID, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CID	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below): Transmittal Form, Information Disclosure Statement Transmittal Letter, IDS Form PTO-1449, Copy of International Search Report, Submitted Copies of Non-U.S. Patents (4), and a Return Receipt Postcard.
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* 2x = Duplicate Copies

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	W R Grace & Co. Conn		
Signature	<i>Charles A. Cross</i>		
Printed name	Charles A. Cross		
Date	October 18, 2005	Reg. No.	32406

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature	<i>Angela M. Porrovecchio</i>		
Typed or printed name	Angela M. Porrovecchio	Date	October 18, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Attorney Docket No. W9570-01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:) Before the Examiner:
Hu, Ruizhong, et al.)
)
)
Serial No.: 10/801,424) Group Art Unit: 1764
)
Filed: March 16, 2004)
)
For: "Gasoline Sulfur Reduction Catalyst for)
Fluid Catalytic Cracking Process")
)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

Pursuant to 37 CFR §1.8, I hereby certify that I have a reasonable basis to expect that this correspondence will be deposited with the United States Postal Service on or before the date indicated as first class mail in an envelope addressed to: Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

October 18, 2005
Date

Angela M. Poverelli
Signature

**INFORMATION DISCLOSURE STATEMENT TRANSMITTAL
LETTER/PETITION FOR CONSIDERATION UNDER 37 CFR §1.97**

I. Enclosed is:

- a. ☒ Information Disclosure Statement Form No. PTO-1449 and copies of references where indicated.
- b. ☐ Copy of the European Search Report dated _____ on European Application No. _____ which is:
- ☐ The European counterpart of the above-identified U.S. application or one of its Parental ancestors, i.e. USSN _____, filed _____.
- ☐ The European counterpart of related USSN _____, filed _____.
- c. ☒ Copy of the PCT Search Report dated August 18, 2005 on PCT Application No. PCT/US2005/008890 which is:
- ☒ The PCT counterpart of the above-identified U.S. application.

☐ The PCT counterpart of related USSN _____, filed _____.

d. ☐ Copy of the _____ Search Report dated _____ on the corresponding _____ counterpart of the above-identified U.S. application.
(country)

e. ☐ Explanatory comments attached hereto as Appendix 1.

f. ☒ COPIES_(check at least one box)

☒ A legible copy of (i) each ☐ U.S.* ☒ foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed. (*Copies Of US Patents do not have to be provided for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC § 371 after June 30, 2003).

☒ Some or all of the documents listed on the PTO1449 are not enclosed because they were cited in the International Search Report and copies should already be in the PTO file. If copies are needed, please contact the undersigned.

g. ☒ Concise Explanation Of Relevance
(check at least one box)

☐ Documents Not In The English Language

☐ A concise explanation of the relevance of all patents, publications or other information listed that is not in the English language is as follows:

☐ A concise explanation of the relevance of all patents, publications or other information listed that is not in the English language is as attached.

☒ Documents In The English Language

All of the patents, publications or other information are in the English language. No statement of relevancy is required.

☐ English Language Search Report

An English language version of the search report or action which indicates the degree of relevance found by the foreign office is attached, thereby satisfying the requirement for a concise explanation. See MPEP 609(A)(3).

☐ Other

The following additional information is provided for the Examiner's consideration.

II. ☒ The Examiner is requested to consider the references cited in the attached Information Disclosure Statement without a fee or certification because it was filed:

☐ within three months of the filing date of this national application, other than a continued prosecution application under 1.53(d);

- ☐ within three months of the date of entry of the national stage as set forth in §1.491 in an international application;
- ☒ before the mailing date of a first Office Action on the merits; or
- ☐ before the mailing of a first Office Action after filing of a Request for Continued Examination under §1.114.

III. ☐ The Examiner is requested to consider the attached Information Disclosure Statement pursuant to 37 CFR §1.97(c) in that it is being filed after the periods specified in Paragraph II above, but before the first to occur of the mailing date of either:

- ☐ Final Action under 37 CFR §1.113; or
- ☐ Notice of Allowance under 37 CFR §1.311; or
- ☐ An action that otherwise closes prosecution in the application;

and in support of such request the undersigned either:

- ☐ has made the certification hereinbelow at Paragraph IVB pursuant to 37 CFR §1.97(e); or
- ☐ is paying a petition fee under 37 CFR §1.17(p) in the amount of \$180.00.

IVA. ☐ The Examiner is requested to consider the attached Information Disclosure Statement pursuant to 37 CFR §1.97(d) in that it is being filed before the payment of the Base Issue Fee and after the mailing date of any:

- (1) Final Action under 37 CFR §1.113;
- (2) Notice of Allowance under 37 CFR §1.311; or
- (3) An action that otherwise closes prosecution in the application.

and in support of said request the undersigned:

- (i) has made the certification hereinbelow at Paragraph IVB pursuant to 37 CFR §1.97(e); and
- (ii) is paying a petition fee under 37 CFR §1.17 (P) in the amount of \$180.00.

IVB. Certification Under 37 CFR §1.97(e)
[applicable to only III or IV above]

☐ The undersigned hereby certifies that for each item of information contained in the Information Disclosure Statement it was either:

- (1) first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the statement, or
- (2) not cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the undersigned upon making

reasonable inquiry, was not known to any individual designated in §1.56(c) more than three months prior to the filing of the statement.

- V. ☐ The Examiner is requested to make the art of record in the following parental U.S. applications relied upon for an earlier filing date under 35 USC §120, of record in the present above-identified application.

U. S. Serial No.	Filing Date

VI. Fee Payment

- ☐ Petition fee under 37 CFR §1.17(p) to consider Information Disclosure Statement under 37 CFR §1.97(c) and (d) (fee code 1806) is \$180.00.
- ☐ Charge \$_____ to Deposit Account No. 07-1770.
- ☒ The Commissioner is hereby authorized to charge any additional fees under 37 CFR §1.16 and §1.17 which may be required by this paper, or credit any overpayment, to Deposit Account No. 07-1770. A duplicate copy of this Form is enclosed.
- ☐ A check in the amount of the fee is enclosed
- ☒ No fee due.

October 18, 2005

Date of Signature

Charles A. Cross

Attorney or Agent

Charles A. Cross - Reg. No. 32,406
Telephone: (410) 531-4508

Post Office Address (to which correspondence is to be sent): W. R. Grace & Co.-Conn.
Patent Dept.
7500 Grace Drive
Columbia, MD 21044-4098

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)



Page ____ of ____

ATTY. DOCKET NO.

W9570-01

SERIAL NO:

10/801,424

APPLICANT

Hu et al.

FILING DATE

3/16/2004

GROUP

1764

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS SUBMITTED?	Copy Submitted	ENG LANG EQUIV
	2341191	3/8/2000	GB	C5E	ESR	No	<input checked="" type="checkbox"/>	
	01/21732	3/29/2001	WO	C10G	11/05	No	<input checked="" type="checkbox"/>	
	02/083300	10/24/2002	WO	B01J	23/06	No	<input checked="" type="checkbox"/>	
	93/19138	9/22/2005	WO	C10G	11/05	No	<input checked="" type="checkbox"/>	

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets if necessary)

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Page ____ of ____

SERIAL NO

10/801,424

APPLICANT

Hu et al.

FILING DATE

3/16/2004

GROUP

1764

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	Copy Submitted
	20020179498	12/5/2002	Chester et al.	208	230	12/21/1999	<input type="checkbox"/>
	4188285	2/12/1980	Michlmayr	208	246	12/20/1978	<input type="checkbox"/>
	5146039	9/8/1992	Huels Aktiengesellschaft, Marl, Fed.	585	820	11/06/1990	<input type="checkbox"/>
	5525210	6/11/1996	Wormsbecher et al.	208	122	8/30/1994	<input type="checkbox"/>

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.